

**For a Free Quote:**

Web: **EnergyPal.com/solar**

Call: **1-800-990-3725**

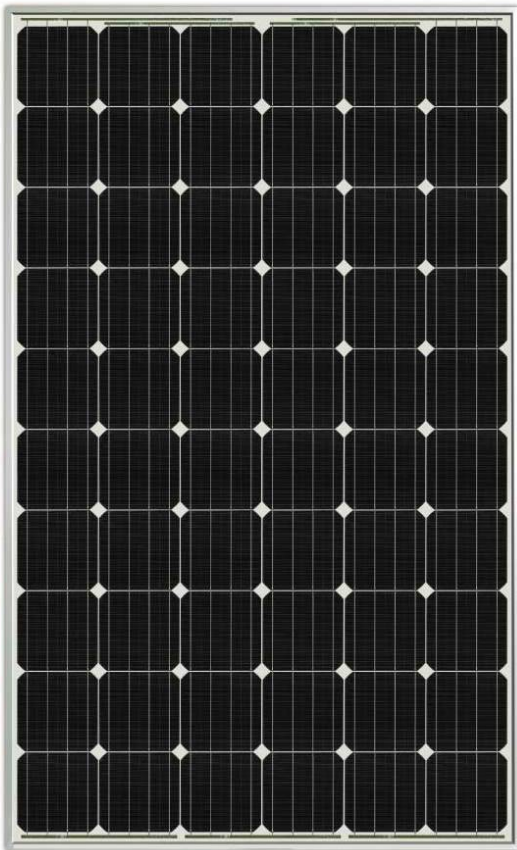
Email: **contact@energypal.com**

# **EnergyPal**

## **Solar Panel Guide Specification Data Sheet**

**RITEK Corporation  
MM60-6RT 270-300  
MM60-6RT-290**

Also available on the web at  
[EnergyPal.com/ritek-corporation-solar-panels/mm60-6rt-290](http://EnergyPal.com/ritek-corporation-solar-panels/mm60-6rt-290)



6" Mono-crystalline Solar Cell, 6x10pcs



### Best Efficiency

Module maximum conversion efficiency>18.4%



### Best Reliability

- TUV, ETL, MCS Certification / Trusty real power output
- Strict materials verification , strict production control and tracable, only use A grade cell
- Internal strict reliability test (DH3000, TC200, Outdoor exposure test routinely)



### Best Reputation

RITEK group was established in 1988. For more than 25 years, Headquarter located in Taiwan, RITEK has proven its excellent product and service.



### Withstand Strong Wind/Snow/Salt/Mist/Fire

Salt and mist corrosion test pass. Ammonia corrosion test pass. 5400Pa load test pass. Fire test pass



### Excellent Customized Module

- Standard white back sheet and silver frame, black back sheet and frame are optional
- Special structure module: extra high load endurance module.
- High environment endurable module ready for severe application
- Multi-layout available: 4x9, 6x6, 6x7, 6x8, 6x9, 6x10, 6x12



### 100% EL Inspection

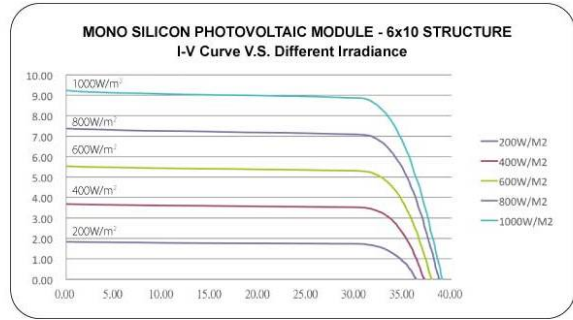
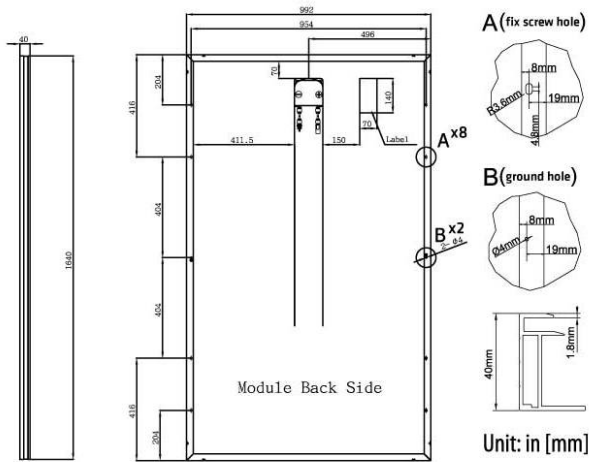
Double run 100% EL inspection



EXCELLENT QUALITY



**EXCELLENT QUALITY**



**Electrical Data**

Model Type	Taiwan High Efficiency						
	MM60-6RT-270	MM60-6RT-275	MM60-6RT-280	MM60-6RT-285	MM60-6RT-290	MM60-6RT-295	MM60-6RT-300
Peak Power Rating, Pmax	270W	275W	280W	285W	290W	295W	300W
Power Tolerance	-0 / +5W	-0 / +5W	-0 / +5W	-0 / +5W	-0 / +5W	-0 / +5W	-0 / +5W
Peak Power Voltage, Vmp	31.18	31.47	31.64	31.81	31.94	32.21	32.61
Peak Power Current, Imp	8.66	8.74	8.85	8.96	9.08	9.16	9.20
Open Circuit Voltage, Voc	37.59	38.06	38.30	38.53	38.59	38.92	38.97
Short Circuit Current, Isc	8.98	9.12	9.17	9.41	9.44	9.65	9.68
Module Efficiency	16.60%	16.90%	17.21%	17.52%	17.83%	18.13%	18.44%

\*STC: Standard Test Condition, 1000W/m<sup>2</sup>, AM 1.5, 25°C      \*\* Vmp tolerance +/-3%, Imp tolerance +/-3%, Isc tolerance -0/+5%



**Mechanical Data**

Item	Specification
Dimension [L x W x H]	64.57 x 39.06 x 1.57in (1640 x 992 x 40mm)
Cable Length	1M, other length optional
Weight	39.68 lb (18.0 Kg)
Warranty	90% Output Power : 10 Years 80% Output Power : 25 Years

**Packing Specifications**

Item	Specification
Modules Per Carton	13pcs/Carton
Modules Per Pallet	26pcs/Pallet (=2 Cartons/Pallet)
Pallet Dimension [L x W x H]	66.5 x 44.6 x 45.3 in (1690 x 1132 x 1150 mm)
Pallet Weight	1111 Lbs (504Kg)
20ft Container Capacity (pcs)	312
40ft Container Capacity (pcs)	728

\*The accurate weight should depends on the product which customer received.



**Operating Condition**

Item	Specification
Maximum System Voltage (U.S. & Canada)	600VDC
Maximum System Voltage (Area Not in the U.S. & Canada)	1000VDC (According to Norms in Each Area)
Series Fuse Rating	15A
Fire Safety Class	Class C
Application Class	Class A (Safety Class II)
Environmental Operating Temperature (°F, °C)	-40 to 185°F, -40 to 85°C

**Thermal Characteristics**

Item	Specification
NOCT (Nominal Operating Cell Temperature) °F, °C	113°F, 45°C
Temperature Coefficient TK Isc (Short Circuit Current) α	+0.054%/°C
Temperature Coefficient TK Voc (Open Circuit Voltage) β	-0.339%/°C
Temperature Coefficient TK Pmax (Peak Power) γ	-0.343%/°C

